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VITAL STATISTICS

Birth Date: December 18, 1968
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EDUCATION

Ph.D., Department of Anatomy and Neurobiology, Washington University School of Medicine, St. Louis, MO, 1996.

B.A., Biology, Carleton College, Northfield, MN, 1990.

NSF Research Experiences for Undergraduates Fellowship, Whitney Laboratory, University of Florida, St. Augustine, FL, 1989.

PROFESSIONAL EXPERIENCE

Chief Scientist, Head of Molecular Sciences, Icagen Inc., Research Triangle Park, NC, December 2000-Present.

Program Scientist, Head of Molecular Sciences, Icagen Inc., Research Triangle Park, NC, December 1999-December 2000.

Senior Scientist, Icagen Inc., Research Triangle Park, NC, December 1997-December 1999.

Postdoctoral Researcher, Stanford University/Howard Hughes Medical Institute, Palo Alto, CA, July 1996-December 1997.

PUBLICATIONS

Wickenden AD, Zou A, Wagoner PK, Jegla T. Characterization of KCNQ5/Q3 potassium channels expressed in mammalian cells. *British Journal of Pharmacology*, 2001. 132(2):381-4.

Wickenden AD, Yu W, Zou A, Jegla T, Wagoner PK. Retigabine, a novel anti-convulsant, enhances activation of KCNQ2/Q3 potassium channels. *Molecular Pharmacology*, 2000. 58(3):591-600.

Brenner R, Jegla TJ, Wickenden A, Liu Y, Aldrich RW. Cloning and functional characterization of novel large conductance calcium-activated potassium channel beta subunits, hKCNMB3 and hKCNMB4. *Journal of Biological Chemistry*, 2000. 275(9):6453-61.

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Jegla T, Salkoff L. A novel subunit for shal K⁺ channels radically alters activation and inactivation. *Journal of Neuroscience*, 1997. 17(1):32-44.

Wei A, Jegla T, Salkoff L. Eight potassium channel families revealed by the C. elegans genome project. *Neuropharmacology*, 1996. 35(7):805-29.

Jegla T, Grigoriev N, Gallin WJ, Salkoff L, Spencer AN. Multiple Shaker potassium channels in a primitive metazoan. *Journal of Neuroscience*, 1995. 15(12):7989-99.

Salkoff L, Jegla T. Surfing the DNA databases for K⁺ channels nets yet more diversity. *Neuron*, 1995. 15(3):489-92.

Jegla T, Salkoff L. A multigene family of novel K⁺ channels from Paramecium tetraurelia. *Receptors Channels*, 1995;3(1):51-60.

Jegla T, Salkoff L. Molecular evolution of K⁺ channels in primitive eukaryotes. *Society of General Physiology Serial (Molecular Evolution of Physiological Processes)* 1994;49:213-22.

ABSTRACTS

Jegla, T.J., Curran, M., Meyers, D., and Wagoner, K. Novel Electrically silent Kv subunits that interact with Kv2.1 and Kv2.2. *Biophys. J. (Annual Meeting Abstracts)* 2001.

Zou, A., Wickenden, A., Creech, C.D., and Jegla, T.J. Functional expression of a human elk family potassium channel. *Biophys. J. (Annual Meeting Abstracts)* 2001.

Jegla, T., Bachmann, J., Silvia, C., Stocker, J., and Wagoner, P.K. (1999) Cloning and Expression of a novel hyperpolarization-activated cation channel, Human HCN3. *Society for Neuroscience Abstracts*.

Jegla, T., and Salkoff, L. A novel K⁺ channel regulatory subunit confers rapid inactivation and altered voltage-dependence. *Biophys. J.* (Annual Meeting Abstracts) 1996.

Jegla, T., Wei, A., and Salkoff, L. (1994). A highly conserved jellyfish *Shal* K⁺ channel with a uniquely hyperpolarized operating range. *Society for Neuroscience Abstracts*.

Jegla, T., and Salkoff, L. (1993). A novel family of putative potassium channel genes from *Paramecium tetraurelia*. *Gordon Conference on the Molecular Biology of Ciliate Protozoans*.

Jegla, T., Laroque, K., Gallin, W., Grigoriev, N., Spencer, A.N., and Salkoff, L. (1993). Cloning of potassium channels from early metazoans and ciliate protozoans. *Annual Meeting of the Society of General Physiologists*.

Wei, A., Jegla, T., and Salkoff, L. (1991). A *C. elegans* potassium channel gene with homology to *Drosophila Shaw*. *Society for Neuroscience Abstracts*.

Wei, A., Jegla, T., Tsunoda, S., Pak, M., Baker, K., and Salkoff, L. (1991). Conservation of K⁺ channel structure: *Shaw* deviates from the pattern of *Shal*, *Shab* and *Shaker*. *Molecular Neurobiology of Drosophila Meetings*.